

**Dr. Jerry L. McDowell**  
*Sandia National Laboratories*



**EDUCATION**

University of Texas at Austin

Ph.D., Aerospace Engineering, 1979

M.S., Aerospace Engineering, 1975

B.S., Aerospace Engineering, 1974

**WORK EXPERIENCE**

Sandia National Laboratories

Vice-President, Defense Systems & Assessments Division and Strategic Management Unit,  
2005 - Present

Director, Field Intelligence Element, 2005 - Present

Vice-President, Military Technology & Applications Division and Strategic Management  
Unit, 2005

Director, DoD Systems Analysis & Concepts Center and Chief Operating Officer, Military  
Technology & Applications Strategic Management Unit, 2004 - 2005

Director, Aerospace Systems Development Center & Manager, New Triad Program, 2000 -  
2004

Senior Manager and Chief of Staff, Nuclear Weapons Program, 1999 - 2000

Senior Manager, Nuclear Weapons Policy Center, 1998 - 1999

Manager, Advanced Concepts & Penetration Technology, 1992 - 1998

Technical Staff Member, Advanced Concepts, 1979 - 1992

Vought Missiles and Space Division

Senior Engineer, Miniature Hit-to-Kill Program, 1980 - 1981

National Aeronautics & Space Administration

Graduate Intern, NASA Johnson Space Center, 1975

Cooperative Engineering Education Student, 1972 - 1974

**AREAS OF EXPERTISE**

High speed flight systems; navigation, guidance & control; flight mechanics/dynamics;  
aerodynamics; flight testing; kinetic and non-kinetic conventional munitions; earth penetrating  
weapons; intelligence matters; nuclear systems; missile defense; prompt global strike;  
management.

**PROFESSIONAL/SCIENTIFIC/HONORARY AFFILIATIONS**

Defense Science Board, Summer Study on Future Strategic Strike Forces; USAF Scientific  
Advisory Board Study of Hypersonic Air-Breathing Vehicle Technologies; External Advisory  
Committee, Department of Aerospace Engineering & Engineering Mechanics, University of  
Texas at Austin; Associate Fellow, American Institute of Aeronautics & Astronautics.